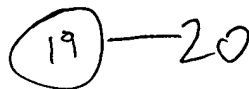
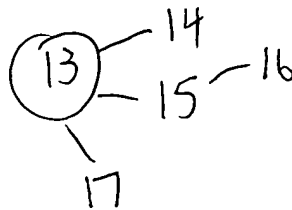
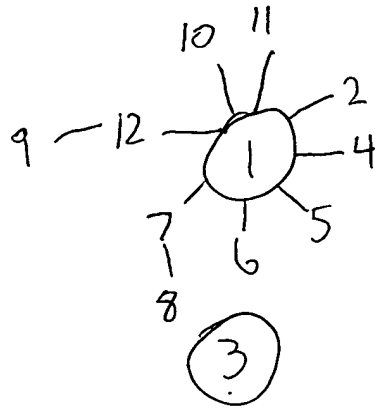


07/22/05 Claim Tree for 10/690296



Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1330	347/101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 11:42
S2	1513	347/104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:37
S3	1229	347/105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:37
S4	508	347/3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:37
S5	286	347/4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:37
S6	964	347/5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:38
S7	647565	(duplex or double or side) same (print\$4 or record\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:40
S8	844	S1 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:39

07/22/05 EAST Search

S9	1226	S2 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:39
S10	797	S3 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:40
S11	351	S4 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:40
S12	209	S5 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:40
S13	576	S6 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:40
S14	345524	(duplex or double or side) with (print\$4 or record\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:41
S15	762	S1 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:40
S16	1146	S2 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:40

S17	655	S3 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:41
S18	306	S4 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:41
S19	187	S5 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:41
S20	490	S6 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:41
S21	45797	(duplex or double) with (print\$4 or record\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:35
S22	149	S1 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:41
S23	222	S2 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:41
S24	990444	S3 nd S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:42

S25	110	S3 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:42
S26	59	S4 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:42
S27	19	S5 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:42
S28	1602	S6 and21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:42
S29	102	S6 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:42
S30	149	S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 15:42
S31	12	((("5610637") or ("5657060") or ("5729257") or ("5877786") or ("6039425") or ("6193348") or ("6227639") or ("6338545") or ("20030053501") or ("6554401") or ("6568778") or ("6598959")). PN.	US-PGPUB; USPAT	OR	OFF	2005/07/19 10:33
S32	1334	347/101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:34

S33	1519	347/104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:34
S34	508	347/3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:34
S35	288	347/4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:34
S36	965	347/5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:34
S37	1232	347/105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:34
S38	67203	(duplex or ((double or two) same side\$2)) with (print\$4 or record\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:36
S39	216	S32 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:36
S40	357	S33 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:37

S41	76	S34 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:37
S42	49	S35 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:37
S43	120	S36 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:37
S44	129	S37 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 10:37
S45	216	S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 11:14
S46	262	S40 not S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:05
S47	0	S40 not "911" not S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:05
S48	59	S41 not S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:05

S49	56	S48 not S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:12
S50	42	S42 not S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:13
S51	27	S50 not S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:13
S52	24	S51 not S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:15
S53	112	S43 not S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:15
S54	96	S53 not S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:15
S55	86	S54 not S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:15
S56	81	S55 not S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:25

S57	2844	coat\$4 with rough\$4 with base	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:33
S58	10	S37 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:27
S59	9493	428/195	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:27
S60	143	428/32.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:27
S61	71	S59 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:27
S62	0	S60 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:27
S63	71	S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:27
S64	261	coat\$4 same granular same rough\$4 same base	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:34

S65	0	S37 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:33
S66	0	S59 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:34
S67	3655	coat\$4 same granular same base	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:34
S68	1	S37 and S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:35
S69	6	S59 and S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:35
S70	3946	base same granular same layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:36
S71	1	S37 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:36
S72	9	S59 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 12:59
S73	1	("20030007054").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/19 13:30
S74	1	("5615872").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/19 13:35

S75	1	("20020024575").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/19 14:06
S76	1	("20040001134").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/19 14:37
S77	1232	347/105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:37
S78	9493	428/195	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:38
S79	143	428/32.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:38
S80	25075	base with rough\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:57
S81	2471257	(coat\$4 or granular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:59
S82	4367	S80 same S81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:40
S83	16	S77 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:40
S84	105	S78 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:40

S85	0	S79 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:40
S86	16	S83	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:40
S87	241892	(base or support\$4 or substrat\$3 or medium or paper) same (rough\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:58
S88	37120	S87 same S81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:59
S89	84	S77 and S88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 14:59
S90	615	S78 and S88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 15:00
S91	663	(S77 or S78 or S79) and S88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/19 15:01
S92	1	("4559256").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/21 11:45
S93	1	("5143904").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/21 11:47
S94	1	("6158835").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/21 12:58
S95	1500	347/20	US-PGPUB; USPAT	OR	OFF	2005/07/21 12:59

S96	7	(frequenc\$4 with "kHz") same (nozzle with area) same (nozzle with dpi)	US-PGPUB; USPAT	OR	ON	2005/07/21 13:09
S97	31	(frequenc\$4 with "kHz") and (nozzle with (((cross adj sectional) or "cross-sectional") adj area)) and (nozzle with dpi)	US-PGPUB; USPAT	OR	ON	2005/07/21 13:11
S98	23	(frequenc\$4 with "kHz") and (nozzle with (((cross adj sectional) or "cross-sectional") adj area)) and (nozzle with dpi) and color	US-PGPUB; USPAT	OR	ON	2005/07/21 14:02
S99	11	((("6679600") or ("6502934") or ("6487382") or ("6250754") or ("6508169") or ("20030007054") or ("5615872") or ("6144814") or ("6435562") or ("20020024575") or ("6669190")).PN.	US-PGPUB; USPAT	OR	OFF	2005/07/21 14:06
S100	11	(US-20020024575-\$ or US-20030007054-\$).did. or (US-5615872-\$ or US-6144814-\$ or US-6250754-\$ or US-6435562-\$ or US-6487382-\$ or US-6502934-\$ or US-6508169-\$ or US-6669190-\$ or US-6679600-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/07/21 14:07
S101	7	((US-20020024575-\$ or US-20030007054-\$).did. or (US-5615872-\$ or US-6144814-\$ or US-6250754-\$ or US-6435562-\$ or US-6487382-\$ or US-6502934-\$ or US-6508169-\$ or US-6669190-\$ or US-6679600-\$).did.) and (memory or data)	US-PGPUB; USPAT	OR	OFF	2005/07/21 14:12
S102	890	head with nozzle with dpi	US-PGPUB; USPAT	OR	ON	2005/07/21 14:12
S103	60	S95 and S102	US-PGPUB; USPAT	OR	ON	2005/07/21 16:55
S104	2	((("5639441") or ("3457949")).PN.	US-PGPUB; USPAT	OR	OFF	2005/07/21 16:56